

THE OREDIGGER

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THE VOICE OF COLORADO SCHOOL OF MINES, A SUPERIOR EDUCATION IN APPLIED SCIENCE AND ENGINEERING

Lather Well, You Never Know Who's Watching!

Faisal G. Hashem

Monday, last week, another pervert once again invaded the East Side of Weaver Towers. Yep, it's getting to be a popular place for the pervs this semester. Wasn't it just the other day that the Towers saw a flasher?

Bobby, that's what we'll call her, was taking a shower around 6:30 in the morning when she looked up to see a mirror held out over her shower door. And though the police are still putting the clues together, Bobby believes that this moron works or lives in the building "they

knew I was in the shower at that time." Bobby now feels that campus girls should not walk alone, and do "everything they can to stay safe." And now, on the advice of the police, she is keeping her curtains closed and rearranging her schedule. She thinks that one just doesn't walk

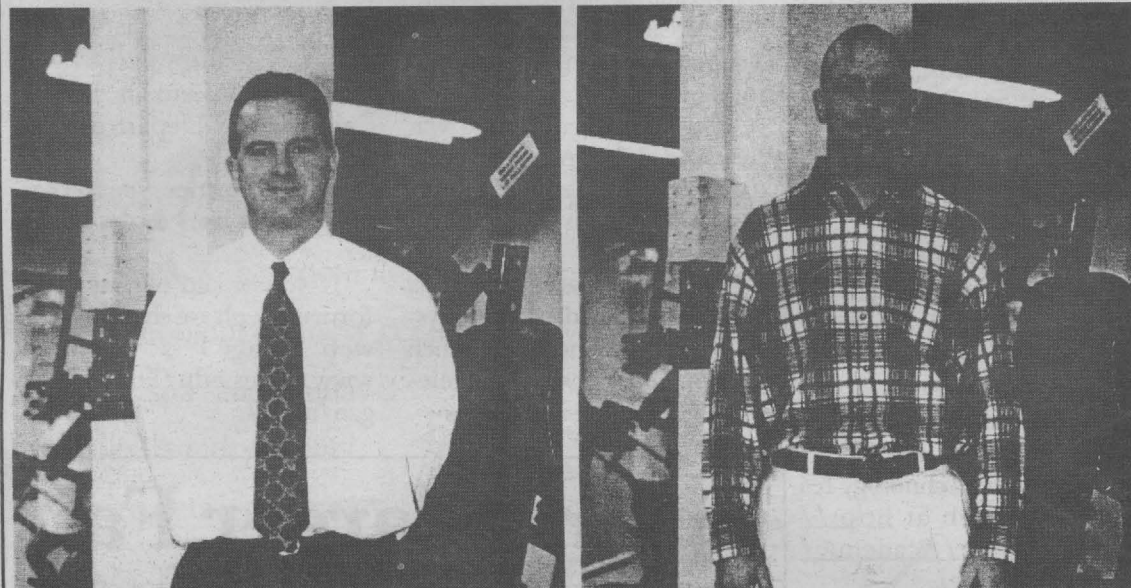
around with a mirror in their pocket at six thirty in the morning unless they have a plan. This is not random. She is sure that the suspect must have been watching her and already knew her schedule.

When asked what could be done to ease these kinds of offenses, Mine's police chief Richard Boyd said that dorm residents should lock their suite doors when too few dormmates are around to watch out for each other. Students should be alert to strangers and notice who is coming and going from their homes. The chief wants students to have a good collage experience, and that means not

making too much out of what may turn out to be a prank. But if this was such a prank, it was insensitive and these kinds of games need to stop.

Currently the Mine's Department of Public Safety is planning to submit a proposal to the dean of student life for a Women's Safety and Self Defense course, which would be taught by officers trained in that area.

When asked what she thought about a possible safety and self-defense course for our campus women, Bobby said that it is a good idea. Currently she is now planning to "drive home to take a shower."



Left, Bob Stitt is the new Mines football coach, recently hired to replace Versle Wallace. He previously was at Harvard University. Shawn Weigel, new football defensive coordinator, was hired by Stitt.

Photo by John West

CSM Space Center To Be Linked to International Space Station

Tim Newlin

This spring promises a flurry of activity for Mines' Center for Commercial Applications of Combustion in Space (CCACS), in and out of Golden.

A combination of facility upgrades and new research funding will bring significant development to the institute.

Phase II construction is currently underway on its Hall of Justice facility, which provides a control room, working space, and a Class 10,000 Cleanroom, to be used for final assembly of space flight hardware.

The control room will be linked with the upcoming International Space Station, so researchers on the ground can work closely with those in flight.

"The CCACS personnel are satisfied with the facility and we plan to have it inspected by our NASA monitors from Marshall Space Flight Center in the not-too-distant future," said Frank Schowengerdt, the center's director.

If everything goes well, the first-class facility will be dedicated at

the CCACS annual meeting in mid-September.

Another important upcoming event is National Manufacturing Week in Chicago, where over 60,000 attendees—representing companies all over the U.S.—converge to build relationships with the research community.

"The kinds of companies that attend NMW are precisely those that we are trying to interest in our work, so this meeting is very fertile ground for CCACS recruiting," said Schowengerdt.

The center will have a booth at the NASA pavilion, including a full-scale model of the International Space Station.

Funding for the center comes primarily from NASA, who provides a total of \$3.4 million per year.

Eleven corporate members of the group bring the total to about \$4 million with their private funding, which gives them partial rights to intellectual property obtained in the research.

The center does not simply sit on the funding it does have, how-

ever.

It is very interested in expansion, according to Schowengerdt. "We are actively seeking additional funding from many sources.

We have written, or are writing, numerous proposals to such agencies as Department of Education, National Science Foundation, National Institute of Health, as well as to other branches of NASA," he remarked.

One important project at the center is SpaceDRUMS (Dynamically Responding Ultrasonic Matrix System).

According to Schowengerdt, it is an "active acoustic positioning device for containerless processing of advanced materials in microgravity."

Design and testing is on schedule for the project, which is slated to be deployed on the space station April 19, 2001.

The Principal Investigator is Metallurgy and Materials head John Moore, who will present the project at the Physics Colloquium on Tuesday, February 29th, at 4:00 p.m. in Meyer Hall 220.

New Jewish Club On Campus

Nearly 20 campus Jews of varying backgrounds got together and finalized plans for starting a Jewish organization at Mines.

Frani Bickart hosted a brunch Sunday, Feb. 20, with an authentic Jewish meal. The meeting was a great success.

For some time now, there have been several students interested in expanding their Jewish experience through a local fellowship on campus.

They have a strong interest and are already in their activities planning stage. The group's future looks bright.

Windows 2000 Released

Brandon Conlon

Microsoft Corporation released its newest operating system, Windows 2000. This newest version of Windows is the next generation of Windows NT. Windows 2000 is available in four different versions, Professional, Server, Advanced Server and Datacenter Server. These software packages support anywhere from two to 32 CPUs and support four to 64 gigabytes of memory. The estimated price of the Windows 2000 Professional is \$319 for first-time users, a \$149 upgrade for Windows NT 3.51 and 4.0 users and a \$219 upgrade for Windows 95/98 users.

Initial reaction to Windows 2000 have been mixed. Some

business users have hailed this operating system as the solution to all of their computer networking needs. On the other hand, some users of Linux and Novell software have said that Windows 2000 is still lagging in some of the networking capabilities of the Linux and Novell operating systems.

Microsoft has released Windows 2000 with more than 63,000 known bugs within the more than 30 million lines of code that comprise the software package. However, many of the beta users have commented that the upgrade to Windows 2000 caused fewer errors than when they upgraded to Windows 95/98.

Help the Hungry!

www.thehungersite.com is a site that donates food to the United Nations relief fund. All you have to do is go to the site and click the "Donate Free Food" button! Can it get any easier? The Hunger Site donates over 200 metric tons of food weekly!

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The Oredigger

Can Students Have A Social Life at Mines?

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Movie Reviews Galore!

Proposed Technology Fee Increase

CSM is proposing an increase in the Student Technology Fee from \$35 per semester to \$60 per semester.

The increased fee will continue to be matched, dollar for dollar on an annual basis by the institution, and all fee revenues and matching funds will continue to be administered through the technology fee committee process. The proposed increase will go to a student body vote in early April.

Technology fees and matching funds have been used to fund central computing labs, student labs in departments, servers, modems pools, software, general access computers in the Library, computers for ASCSM organizations, and other specialized technology projects that benefit students.

CSM has identified an annual need of approximately \$6.6 million per year to support the computing and technology needs of academic departments, central computing and networking.

\$1.1 million of the need is funded through research projects; \$2.7 million is funded through the state operating and capital funds, current technology

fees and matching funds, and grants and gifts.

\$2.8 million is still needed to support the computing infrastructure and academic departments and programs annually.

\$1.5 million of the current need is eligible to be funded by the technology fee and matching funds; however, the technology and matching funds generate only \$440,000 annually.

If the Student Technology Fee is increased from \$35 per semester to \$60 per semester, \$760,000 annually could be allocated to eligible funds from the technology fee and matching funds.

The technology fee is not included in tuition so expenditures can be limited to specific purposes, and CSM students can participate in the technology fee process. These options would not be available if the cost were part of the tuition.

There has been concern in the past that technology fees were not being fully expended. Some funds have been rolled forward in the past because the technology fee committee felt some proposals were weak and should not be funded.

This was not the case for spring 2000 awards, \$445,000 was requested but only \$250,000 could be funded. Although the funds have been rolled forward on occasion, since fall 1996, \$3.7 million requests have been received and only \$1.9 million has been able to be funded.

Although the need is significant, the proposed increase to \$60 per semester is still the below the national average for four-year public institutions (\$140/yr) and is much lower than many engineering programs.

Many institutions also charge for services such as modem pool access and network connections in campus housing. Fortunately, CSM students do not have to pay additional fees for these services.

For more specific information about the technology fee guidelines, process, and awards you can visit the technology fee information web at <http://www.mines.edu/Academic/computer/techfee/>.

If you have any questions or comments about the proposed increase please send an email to ASCSM@mines.edu.

Astronomy Club offers speakers, stargazing, fun

Has being at Mines taken the joy out of science? Do you want to recapture some of the wonder and awe you felt as a child? Participating in the Astronomy Club is one way rediscover the interests that brought you to Mines.

The Astronomy Club became a student organization last year. It has since had a tradition of stargazing nights, trips to planetariums and observatories, educational sessions, and guest speakers.

The stargazing nights are typically held at 7:30 p.m. on Thursday evenings every other week. The next session is scheduled for Feb. 24.

The club has access to many telescopes owned by the physics department, including 6-inch and 8-inch Newtonian telescopes.

Last semester, the club rented the planetarium at the Denver Museum of Natural History for a show on the Hubble telescope.

A trip to the planetarium in Boulder is planned for sometime in the next few months. Educational sessions to demonstrate how to use a telescope and how to find objects using computer software are also scheduled.

Past speakers include Dr. Glen Stewart of the Laboratory for Atmospheric and Space Physics at CU Boulder and Dr. Edward Cecil of the Department of Physics at CSM.

Visits from more speakers are planned for later in the semester.

If you would like more information, please check the club web page at http://www.mines.edu/Stu_life/organ/astro/.

Spring Career Fair Set for March

Are you graduating in May, and still looking for a job? Are you looking for a summer job? Print up a few copies of your resume, and plan now to attend CSM's first Spring Career Fair, March 8 in the Green Center lobby and Friedhoff Hall. The company booths will be open from noon to 4 p.m.

There is something for everybody! This BIG, NEW event from the CSM Career Center has attracted close to 60 companies, who are recruiting for summer and full-time jobs from every major at Mines.

Nearly two-thirds of the companies are local! Mines has attracted 21 companies that are new to CSM or returning after a long absence they are eager to talk to talented CSM students

about job opportunities.

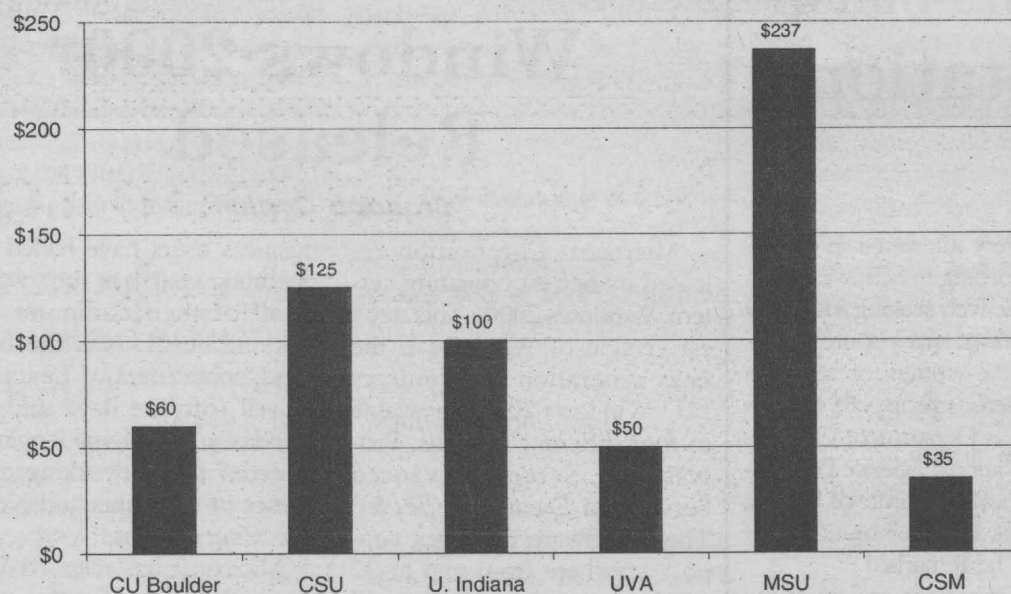
Nearly all of the companies want to talk to graduating seniors, and more than half are interested in talking with freshman, sophomores, juniors or non-graduating seniors. Another third are interested in talking with graduate students.

For an updated list of companies that are coming, check out the Career Center webpage at www.mines.edu/Stu_life/career/springstu.html. A "Career Fair Guide" will be available in the Career Center March 3rd.

Please stop by and pick up a copy.

Information about booth locations, company descriptions, and the majors the companies want to see will be contained in this 16-page booklet.

Technology Fees for 4-YR Public Institutions



CSM SPRING INTERNSHIP & CAREER FAIR

Bring plenty of resumes!

60+ Companies!!



Wednesday, March 8, 2000
Friedhoff Hall and Green Center Lobby
Noon - 4 PM

See a list of who's coming at http://www.mines.edu/Stu_life/career
Career Fair Guide available in the CSM Career Center 3/3/00

A Growing Face of Diversity

In the fall of 1998, the CSM Gay, Lesbian and Bisexual Engineers group was founded by a small group of students interested in expanding the face of diversity on the CSM campus. A year and a half later, the group has more than tripled in membership and has expanded to offer support to transgendered people. As the group has grown in numbers and changed, so has the name. The name "GLBE" has been archived and replaced by Sigma Lambda, which is more inclusive while employing symbolism from gay culture.

The purpose of Sigma Lambda will remain the same: to serve the community by promoting happy, healthy lifestyles and by creating a coordinated presence of gay, lesbian, bisexual and transgendered students and allies at Mines. Support and business meetings are held twice monthly, while weekly social events and activities add to a shared sense of identity and community. Further information can be found at www.mines.edu/Stu_life/organ/glbe or contact the group through e-mail at: GLBE@mines.edu.



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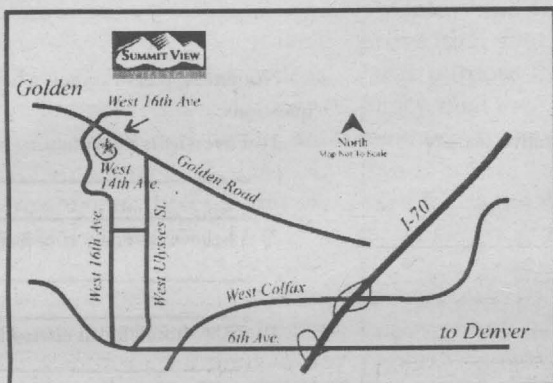
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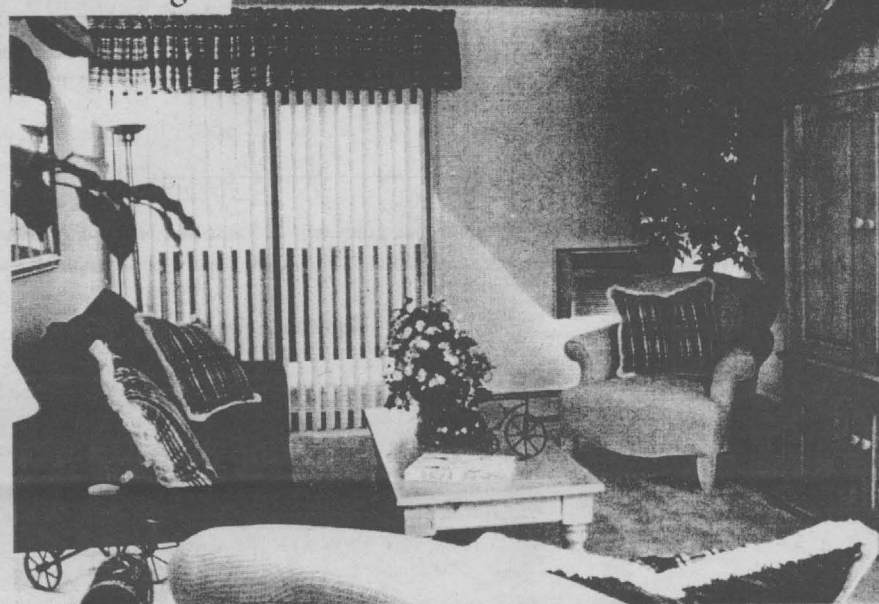
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New Addition to Mines Park

The Colorado School of Mines is expanding the Mines Park student housing with the addition of two buildings.

The new buildings will house an estimated 32 individuals in 16 new units. They will be located at 1911 and 1913 19th Street.

The new units are located in the family housing section of the current Mines Park complex.

The \$1.3 million project broke ground Dec. 28, and is scheduled for completion by fall of 2000.

In addition to the 16 new units, 30 parking spaces will be added for the residents.

In the first phase of Mines Park, CSM was the first state entity to use the build/design concept or process.

The second, current, phase is also being designed using the same technique.

"In this process the buildings are designed as they are built which reduces costs and saves time," said Bob Francisco, director of Student Life.

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Call for Diversity Committee Nominations

The Office of the President of Colorado School of Mines is seeking nominations for the purpose of establishing a campus diversity committee.

The diversity committee will be comprised of students (undergraduate, graduate and adult learners), staff (classified and exempt), and faculty (tenure/tenure-track, adjunct, and research).

A copy of the current campus diversity plan and update may be obtained by contacting Carol Chapman at extension 3327.

Nominations Process

Nomination deadline

All nominations must be submitted to the Office of the President by 5 p.m. Friday, March 3.

Nominations will be accepted using the enclosed form or via electronic means.

It is the responsibility of the person submitting the nomination to ensure proper receipt and

legibility of the nomination form.

Nomination procedure

Persons may nominate themselves or another person.

It is the responsibility of the person submitting the nomination to contact the person being nominated and obtain written consent for the nomination.

All nominations must be submitted in accordance with the date and time deadlines listed above.

If submitting the nomination via electronic method, a separate written statement agreeing to the nomination must be obtained and submitted from the nominee.

Nomination conferment

All nominees will be notified by Thursday, March 17, 2000 of their appointment to the Diversity Committee.

The Office of the President in consultation with the Diver-

sity Steering Committee will appoint all committee members.

Committee Expectations

Reporting structure

The diversity committee will be convened by the diversity steering committee.

The steering committee is comprised of one representative from the following departments: Student Life, Academic Affairs, and Finance and Operations. The steering committee reports to the president and to the board of trustees through the vice president for Academic Affairs.

Time and Length Commitment

The diversity committee will meet three times per semester for approximately one and one-half hours.

In addition, members will participate in ad-hoc task forces and subcommittees to research relevant issues and deliver solutions to implement CSM's diver-

sity plan.

Reasonable work time will be allocated for members to accomplish task force or subcommittee goals.

Each member will be appointed to serve on the diversity committee for two academic years with the possibility of re-appointment.

Resource Commitment

Committee members will be allowed to use department resources in the course of conducting diversity committee business.

These resources shall include duplication services, telephone, electronic mail, web research, and administrative support.

All resource allocations must be tracked and accounted to assess departmental participation and recognition.

Meeting times

The diversity committee will

meet three times per semester excluding summer sessions.

The first meeting will be held in the Student Center, Ballroom C on Thursday, March 23, 11:30 a.m. to 1 p.m.

Lunch will be available at this meeting and at future meetings as appropriate.

Committee Duties

The diversity committee will be responsible for the following areas:

1) Provide guidance to the Office of the President on Campus Diversity.

2) Serve on sub-goals as outlined in the Campus Diversity Plan.

3) Maintain records of resource allocations for inclusion in the annual Diversity Plan.

4) Aid in the development and submittal of the annual Diversity Plan.

Diversity Committee Nomination Form

Nominee's name: _____

Status (check one): ☐ Student (☐ undergraduate ☐ graduate) ☐ Classified Staff ☐ Administrative Faculty
☐ Academic Faculty (☐ tenure/tenure-track ☐ research ☐ instructor/lecturer ☐ adjunct)

Nominee's Phone: _____ Nominee's Email: _____

Nominated by: _____

I agree to this nomination and if selected I agree to serve on the CSM Diversity Committee

Signature of Nominee: _____

Nominees, please submit a brief statement in response to the following three questions:

1) Diversity is important to me because ...

2) I believe diversity is important to CSM because ...

3) CSM should be an environment where ...

Submit completed nomination materials to Eve Jordal in the Office of the President (Room 324 Guggenheim) by **Friday, March 3**.

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Oil: The Environmentally Correct Companies

Faisal Hashem

Drilling for oil is going offshore. So are the environmentalists. And our interests in the United States are particularly in the Gulf of Mexico. The major focus today is on Synthetic-Based-Mud (SBM) and drill cuttings discharge. These SBMs are used to hydraulically drive the drill bit at the head of the drill string and to carry the cuttings up to the surface. But the "surface" here is the ocean.

The EPA late last year proposed regulations that allow SBM-drill-cuttings to be discharged offshore. Apparently the increased impacts attributed to these offshore discharges are offset by the benefits of allowing their use.

Regulations for offshore drilling mud and cuttings were implemented in 1993. Typically Water-Based-Mud (WBM) were used then due to regulatory limitations such as no discharge of mud containing diesel oil, no discharges within 3 miles of shore, and limitations on the use of mud containing Barite which hosts Cadmium and Mercury.

In 1996, however, the EPA provided "limited use guide

(Continued on next page...)

O Wayward Borders, Let The Gnomes Be Your Guide

Terra Rogers

When the sun began to set, and Whistler's lifts would no longer carry Amy and I up the mountain, we returned to Mitsy (the Mitsubishi) and continued on our way. We had 24 hours to traverse the province of British Columbia. It was Christmas Eve and we were in the car again. There was no place I would have rather been. The Canadian Rocky Mountain roadside shoulder was where we woke up on Christmas morning and gas station-microwaveable ravioli was Christmas breakfast. That night we got our first hotel room, not to mention our first, second, and third shower since Utah.

The Kimberly experience was not only found on the mountain, but began as we drove through

the city of Kimberly, the "Bavarian City of the Rockies". The buildings were made of rough-hewn timber and log, the main shopping strip was named the Platzel, every fire hydrant was painted to portray a gnome or elf and the ski area was located only 2 kilometers from town. The most memorable part of Kimberly was The Old Bauernhaus, a restaurant of Bavarian cuisine, that was built more than 350 years ago in Germany and then re-assembled there. Unfortunately, I was coming down with something that kept me from feeling my best and finishing my meal. Amy was enjoying her temporary health by cleaning my plate as well.

Once on the mountain, Amy

and I were treated with one of the most spectacular views of the trip. The weather pattern of Kimberly had brewed up and inversion that kept a thick cloud cover over the base of the resort but once the lift raised us a quarter of the way up the mountain the sun was bright and a sea of clouds lay before us with only the jagged mountain peaks of the Canadian Rockies poking through. We were in the dead center of the Kootenays where the locals boast of an ideal climate that provides loads of powder accompanied by endless days of sunshine. Amy and I only made a few runs that day. At this point I had diagnosed my illness, strep throat, and it was taxing me. I was pleased to find

a large selection of well manicured, intermediate slopes that I could sail down with little effort, one being four miles long. Though I was too weak to experience it myself, Kimberly also offered a variety of expert terrain that pained me to bypass. I was impressed to learn of the expansion Kimberly was planning. Their plans of becoming a 'destination' resort, one which caters to those that come from a far or intend to relax and stay awhile, is approaching completion with in a few years. It is sure to become renowned with their fairy-tale like location and great weather. This is a resort that has a lot of promise; I plan to return.



Heisenberg might have slept here.

Schrodinger's Vet: Specializing in gassed cats and monkeys with Carpal-tunnel syndrome.

The Results Are In!

John West

A survey of professors who have been on campus for longer than 20 years, concerning how things have changed over the years, has yielded some predictable results and some less than predictable results. (Reported in percentage of responses)

	Take The 5 th	Much Worse	Worse	It Changed	Better	Much Better
<u>Campus</u>						
Buildings	0	0	0	0	32	68
Roads	0	0	21	32	32	15
Parking	0	22	11	26	26	15
School Pride	0	5	37	37	16	5
School Reputation	5	0	11	37	42	5
<u>Academics</u>						
Admission	0	5	22	26	37	11
Dept. Standards	0	0	26	26	42	5
Teaching	0	0	26	21	53	0
Graduate Quality	0	0	11	32	48	11
Bureaucracy	0	32	21	26	15	5
Academic Relevance	0	0	26	48	26	0
<u>Students</u>						
Work Ethic	0	5	54	26	15	0
Party Ethic	32	0	15	53	0	0
Friendliness	0	5	22	32	37	5
Teamwork	0	0	0	32	68	0
Starting Education	0	5	26	37	32	0

Many of the professors approved of the increase of women on campus in the last twenty years. Likewise, they liked bringing Dr. Bickart to CSM's helm. Things the professors missed: the good old CSM Earth-Raper mentality and the hide-bound faculty in the Engineering Division. Their response to what they would like to see in CSM's future was varied. A few of the more pointed responses were: to not be taken over by CU and to have Illinois Street closed. There were wishes to see students who can do math (instead of calculators), a good work ethic, and a small school atmosphere return to Mines.

Thanks to all of the professors who responded to this survey. Mines should always have an eye on the future, a hand in the present and a solid footing from the past.

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CSM Interviews

Information Meeting:
March 2, 2000 • 7:00pm-9:00pm
Student Center, Ballroom A

Interviewing:
March 3, 2000

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Oil Companies and the Environment

(Continued from previous page...)

lines" for SBM's, which suggested the use of gas chromatography to confirm the absence of free oil in the mud/cuttings but that current toxicity and Barite limits be maintained. In coastal regions the Enhanced Mineral-Oils (EMO) may not degrade any better than diesel oils. The EPS has accelerated their rule making process for SBM's and EMO's. Industry, the mineral management services, and the U.S. Dept. of Energy are all providing data and technological support to facilitate their EPA's efforts to expedite these regulations.

Circulating the drill mud carries the cuttings out of the borehole. A "solid-control system"

can separate the cuttings, sand, and silt from the mud fluid, which can then be reused. After this process, however, some mud still remains on the cuttings. If these cuttings do not contain free oil and pass toxicity and other tests, they can be discharged at sea. If the cuttings contain Mineral-Oil-Based mud they must be disposed of on-shore, where they are recycled, placed in landfills, or injected into the ground.

The EPA's risk assessment compares the potentially negative human-health and environmental impacts of SBM and EMO discharge to their potentially positive benefits.

Currently 80% of the Gulf of Mexico operations use WBM due to the higher cost of SBM

and EMO. In the past Mineral-Oil-Based mud was used for lubricity and stuck pipe recovery. This practice has been discontinued due to the mud's toxicity. Replacement methods are still a challenge.

Today the major concerns of the regulatory agencies are Water-Quality and Benthic impacts. Some seabed surveys at WBM discharge cites found reduced richness and abundance of biota. Yet others found no such effect. And the longevity of these impacts are variable and depend upon many factors. Only limited data is presently available for SBM discharge.

Another concern is bioaccumulation. There is little evidence that metals discharge along with the cuttings will

bioaccumulate and pose a greater risk to human-health than what is presently naturally occurring in fish and shellfish in the Gulf of Mexico. Due to current regulations and the cost of it's use, the volume of metals discharged with SBM and EMO cuttings is now less than the volume discharged with WBM.

Onshore disposal is a challenge too. Landfill impact is primarily a space issue. Landfill space is expensive and limited. This disposal does have present a small but realistic potential for ground-water contamination.

We cannot live with environmental contaminants or toxins, but neither can we live without oil. We still need to do some engineering! (Mine's engineers will do.)

Historians have concluded that W.Heisenberg must have been contemplating his love life when he discovered the Uncertainty Principle:

-When he had the time,he didn't have the energy and,

-When the moment was right,he couldn't figure out the position...

A promising PhD candidate was presenting his thesis at his final examination. He proceeded with a derivation and ended up with something like:

$F = -MA$

He was embarrassed, his supervising professor was embarrassed, and the rest of the committee was embarrassed. The student coughed nervously and said "I seem to have made a slight error back there somewhere."

One of the mathematicians on the committee replied dryly, "Either that or an odd number of them!"

Volunteers Needed to Help Middle School Kids

Centro Bienstar in Denver is looking for volunteer tutors for their after-school tutoring programs. They are specifically looking for tutors with expertise in math and science that are available to volunteer on Tuesdays or Thursdays. If interested, or would like more information please contact Kristi Meyer at (720) 904-2099

Description of center and programs: Centro Bienstar San

Jose was formerly St. Joseph's High School. The school had been closed for seven years when it was renovated and reopened as a community center. The center is located in a low-income, predominantly Hispanic community in the metro-Denver area. Several non-profit organizations are currently housed at the center including Catholic Charities, Earthlinks, and Colorado Center on Law and Policy.

Additionally, ESL, parenting, and literacy classes take place there.

The center offers few programs for youth, but plans are being made to begin after-school programs. Baker Middle School and Del Pueblo Elementary School are located within one block of Centro Bienstar. Eventually they hope to have programs for children of all ages, but they are beginning with middle school students.

Directly after school, homework help and snacks will be provided for the kids, followed by various activities such as sports, art computer, and dance programs.

The idea of the program is to provide the area kids with a place to go after school and also to build relationships between the children and the interns or volunteers that run or assist with the programs.

Health Aide

Needed

Elderly Woman needs a Home Health Aide: Wanted 2 - 3 days per week. Hours are flexible. Will pay \$7 - \$10 depending on qualifications. A Golden home: 2101 Arapahoe St. Call (303) 205-7379



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An Extra Large Hand-Tossed Pizza with 1 Topping

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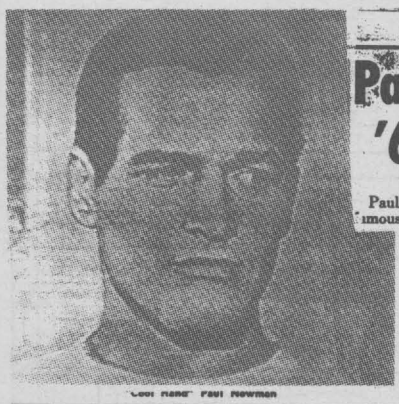
Our drivers carry less than \$20. Cash value 1/20¢

Offer valid with coupon only. Valid at participating stores

only. Prices may vary. Customer pays sales tax where applicable.

5:30-6:30	Games animal dice, origami, ping pong
6-7:00	Dinner (FREE FOOD)
7:00	Chinese Lion Dance
7:40	Golden Tae Kwon Do
8:10	CSM Kendo Club
9:10	Polynesian Dances

This week in...



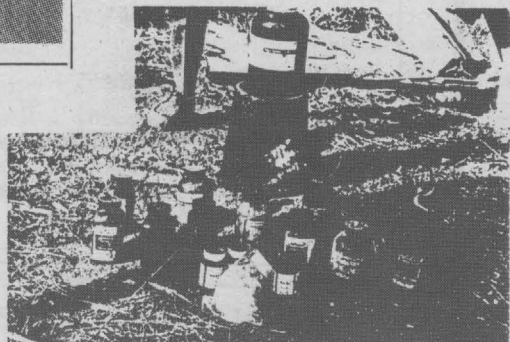
THE OREGONIAN

Paul Newman to Choose '68 Prospector Queen

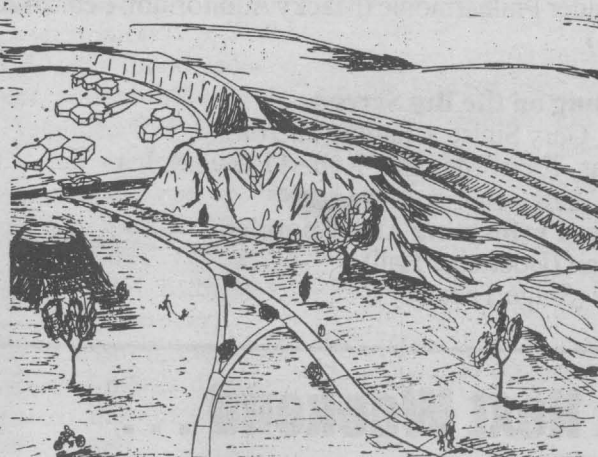
By Lee Turner
Paul Newman, internationally famous actor and star of the re...

Howard Koshi, Lee Turner, or the Prospector Office on or before Thursday, February 29, 1968, at

... 1968

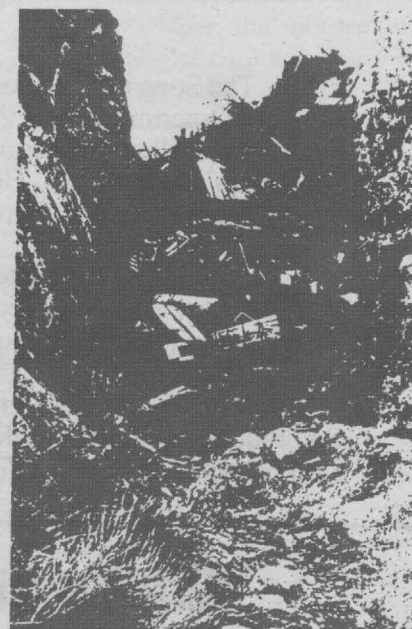


A small fraction of the analytical chemicals found in the claypits dump several weeks ago.



Artist's view of what the claypits could become: a combination park and geologic museum.

grass covered terrace and es would offer Miners a convincing. However if we don't act now, the chance for a park may soon be gone.



Part of the junk currently setting in one of the claypits Northwest of campus.

... 1971

Diversions to Pass the Time in Class...

Here is a simple experiment that will teach you an important electrical lesson: On a cool, dry day, scuff your feet along a carpet, then reach your hand into a friend's mouth and touch one of his dental fillings. Did you notice how your friend twitched violently and cried out in pain? This teaches us that electricity can be a very powerful force, but we must never use it to hurt others unless we need to learn an important electrical lesson.

It also teaches us how an electrical circuit works. When you scuffed your feet, you picked up batches of "electrons", which are very small objects that carpet manufacturers weave into carpets so they will attract dirt. The electrons travel through your bloodstream and collect in your finger, where they form a spark that leaps to your friend's filling, then travels down to his feet and back into the carpet, thus completing the circuit.

Amazing Electronic Fact: If you scuffed your feet long enough without touching anything, you would build up so many electrons that your finger would explode! But this is nothing to worry about unless you have carpeting.

Dave Barry, "What is Electricity?"

Top Ten Lies Told By Graduate Students

10. It doesn't bother me at all that my college roommate is making \$80,000 a year on Wall Street.
9. I'd be delighted to proofread your book/article/chapter.
8. My work has a lot of practical importance.
7. I would never date an undergraduate.
6. Your latest article was so inspiring.
5. I turned down a lot of great job offers to come here.
4. I just have to read one more book and then I'll start writing my thesis.
3. The department is giving me so much support.
2. My job prospects look really good.
1. No really, I'll be out of here in only two more years.

"Quantum mechanics, hmmm. You put a cat in a box, along with a hammer and some poison and a radioactive isotope ... I forget exactly how this goes. Anyway, keep some bandages on hand, because I guarantee the cat won't be happy."

-Jack-Jack Snyder

Matter is fundamentally lazy: It always takes the path of least effort

Matter is fundamentally stupid: It tries every other path first. That is the heart of physics - The rest is details.

(Continued on next page...)

AT TIAA-CREF, LOW EXPENSES ARE A HIGH PRIORITY.

All financial companies charge operating fees and expenses – some more than others. Of course, the lower the expenses you pay, the better. That way, more of your money goes where it should – toward building a comfortable future.

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¹ Based on \$250 billion in assets under management. ² Standard & Poor's Insurance Rating Analysis, 1999; and Lipper Analytical Services, Inc., Lipper-Directors' Analytical Data 1999 (quarterly). ³ Morningstar Variable Annuities/Life, 6/30/1999. Of the 6,532 variable annuities tracked by Morningstar, the average fund had total fees combining annual expenses of 0.84% plus an insurance expense of 1.26%. TIAA-CREF expenses are subject to change and are not guaranteed for the future. Past performance is no guarantee of future results. TIAA-CREF Individual and Institutional Services distributes CREF certificates and interests in the TIAA Real Estate Account. For more complete information, including charges and expenses, call 1 800 842-2776, extension 5509, for prospectuses. Read them carefully before you invest or send money.

What's On This Weekend ...

FAC

- Comedian Alonzo Bodden (I-Club)

Around Town

- Rivers: The Song of Life (Foothills Art Center)
- Komodo Dragons (Denver Zoo)
- Jamie Foxx (Fillmore Auditorium: Feb 27; 8pm)
- Beethoven's *Ode to Joy* -- Boulder Philharmonic (Macky Auditorium: Feb. 24 & 25; 8 pm & Feb. 26; 2 pm)

Opening on the Big Screen

- *Reindeer Games* (Ben Affleck, Gary Sinise, Charlize Theron)
- *Wonder Boys* (Michael Douglas, Tobey Maguire, Robert Downey, Jr.)

At the Denver Performing Arts Complex

- Colorado Symphony: All Mozart (Boettcher Hall)
- Shakespeare's *A Winter's Tale* (Stage Theatre)

What's On Next Weekend ...

FAC

- Comedian Buzz Sutherland (I-Club)

Around Town

- Rivers: The Song of Life (Foothills Art Center)
- Komodo Dragons (Denver Zoo)
- Cracker (Fox Theatre & Cafe: Mar. 1)
- Insane Clown Posse (Bluebird Theater: Mar. 3 & 4)

Opening on the Big Screen

- *Drowning Mona* (Bette Midler, Danny DeVito, Neve Campbell, Jamie Lee Curtis)
- *What Planet Are You From?* (Gary Shandling, Annette Bening, John Goodman)
- *Chain of Fools* (Steve Zahn, Salma Hayek, Jeff Goldblum, Lara Flynn Boyle)

At the Denver Performing Arts Complex

- Colorado Symphony: "Romance and the Romantics" (Boettcher Hall)
- Shakespeare's *A Winter's Tale* (Stage Theatre)
- *Jekyll & Hyde* (Temple Buell Theatre: OPENS Feb. 29)
- Paula Poundstone (Auditorium Theatre: Mar. 4)

(From previous page...)

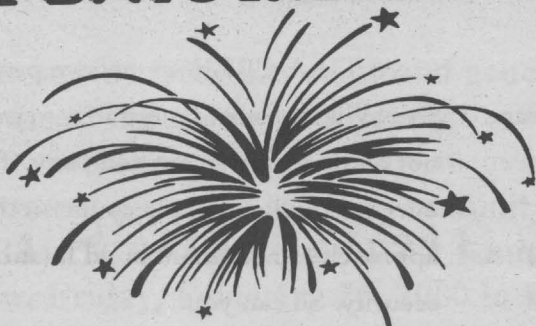
What is the difference between Mechanical Engineers and Civil Engineers? Mechanical Engineers build weapons, Civil Engineers build targets.

"Theory is when you know how it works but it still doesn't. Practice is when it works but you don't know why. In the Physics Department, theory and practice are joined together: nothing works and no one knows why!"

Why God never got tenure...

1. Only one major publication
2. ...No references
3. It wasn't published in a refereed journal.
4. There are some doubts he wrote it himself.
5. It may be true he created the world, but what has he done since then?
6. The scientific community has had a hard time replicating his results
7. Never applied to the ethics board for permission to use human subjects.
8. When experiment went awry, tried to cover it by drowning subjects.
9. When subjects didn't behave as predicted, deleted them from sample.
10. Rarely came to class and just told students to read the book.
11. Expelled the first two students for learning too much.
12. Only had ten requirements, but most of his students failed them.
13. Office hours infrequent and usually held on mountain top.

E-DAYS MEETING



**March 7th, 7:30 PM
Student Center 234**

COME FIND OUT ABOUT:

**CONCERT
FIREWORKS
EVENTS
and much, much more!**

Want more info? email jjordet@mines.edu

2*(Beyond Mines)

(A double-dose of humor to make up for last week)

Tatiana Dueño

UGLY BITE ME LETTER # 2 *

November 19, 1999

Mr. Jennifer Locke
123 Sesame Street
Golden, CO 80401

Dear Mr. Locke,

Thank you for interviewing with ABC TECH during our last visit to the Colorado School of Mines campus. Unfortunately, at this time we do not have

WHAT?! I GUESS
MY LONG HAIR & SHORT
SKIRT WERE NOT OBVIOUS
ENOUGH TO SHOW
THAT
I'M A
GIRL!



* THIS
REALLY
HAPPENED!!

T.D. 2000

Valentine's Day @ Mines.edu

BE MINE

AH... THE ADVANTAGES
OF BEING IN BLUE KEY!



T.D. 2000

Letter to the Editor

The Age of Innocence

Readers: It's the willow tree behind the bench on the north side of the lake.

I often saw her on Sunday at Saint Bernadette's and would wait for a better view as she would return from communion. She was very cute and never looked over or around. She appeared very serious about her worship; this went on for months.

At the time, I was 12 or 13 years of age. After our new church, Our Lady of Fatima, was completed closer to home, I thought I would never see her again. I started middle school at Lakewood and into my second year, a classmate named Larry invited some friends over to spend the night. In the morning as Larry's mom was making breakfast, we were being entertained by their parakeet.

Looking up in disbelief, the same cute girl from Saint Bernadette's silently entered in her housecoat, as if returning from communion. I blushed, as she visited for a few minutes. I was completely speechless and dumbfounded. She was Larry's sister Aldean, three years our senior and in the same class as my sister Patty at Lakewood High.

How could this be? What a treat! There's no doubt in my mind that God knows all of our thoughts from day one!

Then, when I was a sophomore, my sister and Aldean were seniors and I was in love with school in general and no one in specific. After all, she was older than me! When are they going to put a smiley face-key, on a word processor? I'll bet Apple does it first!

Anyway my junior and half of my senior years were spent in bliss—dating some very nice girls in my class and then going steady with Caroline. Listen, this young lady was so sweet and attractive, innocent and wholesome that when I saw her Mom

at the Westland Mall in 1960, (she worked there), she asked me if I had a minute or two, she wanted to show me something. She returned with a Time magazine, and a big smile. She handed the magazine to me and said, "Check out the back page, Bob."

The entire back of the magazine was filled with Caroline's beautiful face and a small ad for Kelly Girls. On a scale of 1-10 this lady was an 11, believe me! At the time I had just returned from Germany serving 2 years in Uncle Sam's Army and, at 20, I didn't have a clue what was next in my life—A job I guess!

I always wanted to tell Aldean this story and in the summer of 99, I had the opportunity. I saw her working in the gift card department of Golden's new market. Sometimes I would shop there with one of my older brothers, Richard. Think about this because when my sister Patty and Aldean were sophomores, Richard was a senior and I must have still been in the cradle. "Gates, we know you're rich, but if you're so darn smart, where's the smiley face-key?"

Now think about this. I'm 60, it's 45 years later and I'm still scared to death, even worse than before to talk to Aldean.

As we would pass the gift card isle, I would mention to Rich, "That looks like Aldean, remember, from Lakewood High," and he would agree and say, "Ask her," and I would answer "No." This went on for a couple of months. Rich didn't have a clue that I was just playing it safe, in case it wasn't Aldean.

I read a minimum of one newspaper a day (everyone should), and with all of the security cameras watching, and factoring in the sexual harassment cases, I wouldn't dare stick my neck out in this totally different world of lost innocence.

Don't you think we're really

missing out on something special that we once had? But then again I read about this waitress befriending some male customer. Then she had to go through the restraining order thing, and now she's dead from a package bomb that was left on her door-step. You can't blame women, that's for sure and it's really sad, but people in general can't be too cautious anywhere. We're living in some real strange times, for instance! I use to joke with waitresses. Now, I avoid eye contact when ordering my food, and more and more, even eating out. What changed America in this story from the first two paragraphs, to this one? The contrast is incredible, and it's fact, not paranoia, just pick up a newspaper. I wonder if Europe is the same?

But: I finally came to my senses and said, "To hell with all of this craziness," and asked the pretty card lady if she had a brother named Larry, and mentioned my sister Patty from Lakewood High School. From class reunions I knew Larry lived in Boulder, owned a motorcycle dealership, and later, when I needed scooter parts, would look him up to say, "Hello."

They're a very nice family and brother Richard and I were both right, it was Aldean. It's apparent that she takes care of herself, still looks like that same high school cheerleader and they, (she married a Lakewood classmate)—can now find the time to motor-home. Aldean now attends Mass in Southwest Lakewood and we laughed when I told her the Saint Bernadette's story.

That's one of the things were missing out on—friendly laughter.

In retrospect and again, "He knows all of our thoughts, from day one."

Robert Brill

Wain Train Reveals...

Would you take a Pill to Make you Smarter?

As a new writer for the Oredigger, I would like to do something that I haven't yet seen done in this newspaper. I would like to portray the social life at CSM through the eyes of the students. In order to accomplish this, I will ask random students a question pertaining to social activity on campus before each issue is published. Sometimes I'll discuss the dire party situation at this school, other times I might write about the school's pathetic dating situation, etc, etc, etc.

For this issue 50 guys and 50 girls attending Mines were asked the questions below:

For Girls: If you could take a pill that would make you smarter, but would at the same time make your butt bigger, would you take it?

Response:

Girls who would take the pill and wouldn't care about buying larger jeans: 28.6%

Girls who think their jeans fit just fine: 71.4%

For Guys: If you could take a pill that would make you smarter, but would make your manly anatomy decrease in size, would you take it?

Response:

Guys who would gladly take the pill and then ask for some more: 46.2%

Guys who wouldn't touch the thing: 53.8%

The results, as you can see, may seem a little surprising. For instance, almost half of those guys surveyed said that they would take the pill. I even had a few guys ask how many times they could take it! A couple of the more outrageous anonymous quotes from the men are listed below:

1. I'm married, it doesn't

matter how big it is anyway.

2. I've got a few inches to give.

What I've come to conclude from these results is that the majority of the men at CSM are fairly unconfident with their brains and are willing to go to great lengths (or smaller lengths) to increase their smarts.

The women surveyed seemed to remain a little more modest, but since 50 women is a large portion of campus total, I feel more confident about response I received. Only 28.6 percent of the women surveyed would take the pill, and the majority of these women were so slender that an increase in the buttock area was actually needed. This makes me believe that the women on campus actually DO care about how they look. I realize that this is contrary to popular male opinion, but facts are facts. The women on this campus want to look good for us (or someone else), whether we think they do or not.

Overall I conclude the men on this campus want more brains, but the women are satisfied with what they already have. The men may have a confidence issue to resolve, and maybe the women are pressured by the men to try to look good. In the next Oredigger issue, I'll try to delve further into these social dilemmas by taking a survey of the following question:

What percent of guys/girls do you consider "dateable" on the CSM campus? If you would like to participate in this anonymous survey, feel free to email your response to kary_w@hotmail.com, or drop off your written response at the Oredigger box in the Student Activities Office in the Student Center. Please make sure to include if you're a guy or a girl.

Kary Wain

Rethinking Valentine's Day

Never say never. I foolishly thought I would never have a happy Valentine's day. I spouted my thoughts on the terribly commercialized holiday in the January 27th issue of *The Oredigger*. Some caring soul, a graduate student in the chemistry department, kindly changed my tune. To my genuine surprise and amazement, I was sent a lovely bouquet of flowers on Valentine's day. Attached was a short note: "Cassia, I read your article last week. Since I don't know your favorite flowers, I gave you mine. Happy Valentine's Day. Anonymous Chemistry Grad."

To this person who was thoughtful enough to go out of their way to open a girl's eyes and heart, thank you very much. You made a lot of girls on staff realize that truly thoughtful and good-hearted guys are not necessarily extinct. I think you made a lot of guys on staff think maybe next time around, they'll woo their women with a simple, caring gesture. I will not soon forget this random act of kindness. Thank you.

Cassia Calleos



A Final Solution to a Passing Problem

"Suicide is a final solution to a temporary problem," Mel Kirk, a psychologist at the Student Development Center, solemnly said. "I've dealt with suicide for about 20 years and I can tell you that suicide is never the answer to your problems." Serious words on a serious subject.

We've all heard about a handful of suicides in the past few months and asked ourselves why. Kirk says that it's really not the School of Mines that causes it. Suicides happen on other campuses too. The reason we're seeing a rise in suicide is probably because Mines is attracting a more diverse student body and this is really only a symptom common everywhere.

The reason people commit suicide, Kirk stated, is probably because of perceived expectations and pressures. It's better to just tell people you can't live up to their expectations than kill yourself because you can't handle the pressure, he said. The real victims of a suicide are the ones left behind. They're left with a hole, an unresolved issue that they can't deal with properly when that person's dead. People get angry about that and that anger lasts a long time. There are cases where that person is still mad or hurt 20 years later. Suicide is really a very selfish act, Kirk stressed, because you're not the only one affected by it. You don't leave those left behind a way to resolve what you've done.

If someone you know is contemplating suicide or if you're thinking about it yourself, Kirk says, "Go to someone!" Talk about it. Don't expect people to read your clues.

Sometimes a suicide attempt is a cry for help, Kirk said. A person may wait until their roommate is coming in the door before the attempt, for example, so that the roommate will see them swallowing pills. This is called a gesture suicide. It's an attempt to get help rather than to successfully commit suicide.

But there's a very real chance the person could die. In other cases, a suicide seems very sudden and comes without warning. In these cases, the person is generally at a mental point of no return and the methods they choose are lethal. These are hard to deal with for those left behind, because they seem to come out of the blue. A third type is impulsive suicide.

These cases are generally sparked by an event like a tragedy or a bad investment. Such cases are very sad because usually, a situation could be remedied eventually.

What should someone left behind do? "You really need to grieve," said Kirk. "Let it out, don't hold it in." Otherwise, you might be dealing with bitterness for years to come. You need to figure out how to move on.

If you feel like committing suicide you need to talk to someone, said Kirk. If you're planning it, you really need to talk. The best way of preventing suicide is through reaching out. It helps to be socially active since you have more people to talk to. On the other side, be sure to listen to someone if they're considering suicide. Then direct them to help. CSM has a few places on campus where help is available, for example:

PHATES (Peers Helping Aid Tough Everyday Situations), Student Development and Academic Services Center (If you want to talk to a professional like Kirk, come here),

Health Center (though they'll probably direct you to the Student Development Center),

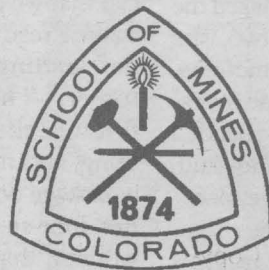
The RA's (Remember that you need to talk about it; your RA is another connection you can make. If you feel you cannot talk to yours, find one you can talk with),

Your church, temple, synagogue, mosque, altar or other place of worship. Many offer free counseling. Just remember, you need to talk about it.

James Oltman

The Oredigger

THE VOICE OF COLORADO SCHOOL OF MINES, A SUPERIOR EDUCATION IN APPLIED SCIENCE AND ENGINEERING



All I Ever Needed to Know I Learned at Mines....

1. Addition is futile- it must all be integrated.
2. Never anger your calculator...
3. Engineers are never wrong- it's the equipment.
4. EPICS is forever!!
5. At most schools you can study, have a social life and sleep- at Mines you can only do two of those.
6. It doesn't matter how poorly you do on an exam as long as everyone else does just as bad.
7. There will always be someone who will ruin the curve.
8. On homework assignments, it only takes one person with answers (not necessarily correct) for the entire class to finish the assignment.
9. There's even a hierarchy of nerds.
10. The odds help no one's dating life at CSM.
11. It doesn't matter that you're a procrastinator, as long as you get it done.
12. If you don't know what you're talking about in a presentation, just use a lot of colorful transparencies- they serve as great distractions.
13. Who needs to talk good English!?!?

14. Aramark - if it doesn't kill you, well then, you're lucky!
15. Chicken cordon BLAH!
16. You know you're at Mines when your Valentine card reads "The free body diagram of my heart points to you."
17. Academic success is 20% intelligence and 80% jumping through hoops.
18. Women—The less men can get, the more they blame it on the women.
19. Run while you still can!!!
20. No matter when your first class of the day is, it will always be too early, even at noon.
21. No matter how trivial the class, you always feel bad after ditching.
22. Guys are desperate everywhere- Mines merely accentuates the fact.
23. Hitting people with metal swords really alleviates tension.
24. The *Oredigger*- no matter what else you should be doing, you will stay there constantly.
25. Brownies are great bribery.
26. No matter how hard you study for a test, there is still a very good chance you got every single question wrong.
27. The *Prospector* staff is very,

- very strange.. but cool anyway.
28. All angles are 37, 53, 45 or 90 degrees.
29. Entering Mines, one immediately becomes nocturnal.
30. Going to CSM is like living in cave- you forget what the sun looks like.
31. Shower doors open in, stall doors open out.
32. Any club worth joining serves free lunch.
33. You can kill your neighbors with a 9 volt battery.
34. Email is an addiction.
35. Grades do not reflect knowledge.
36. Everyone is someone else's weirdo
37. Multiple choice does not mean easy.
38. A 95.7% can be an A.
39. A 65.4% can be an A+.
40. Free goodies are the best reason to go to the career fair.
41. Holidays should never be taken for granted.
42. Jello is not just for kids.
43. Alcohol only seems to enhance coordination.
44. 70-0 is in fact a football score.
45. Don't drink from a beaker

The Oredigger Staff

Abraham's Legacy

Our campus is finally getting a Jewish student organization. I support it whole heartedly.

I write news stories, but I just had a thought, so please forgive my intrusion. I still have something to say.

"Take now thy son, thine only son...whom thou lovest," God ordered Abraham in Genesis 22:2 "and get thee into the land of Moriah and offer him for a burnt offering." So Abe, with son in tow, took to Moriah and went up the mountain to execute God's will...to obey God. But as we know, at the last minute, God spared Abe this awful, ultimate test.

This Old Testament rendition of absolute obedience to God's demands is central to the Koran and to the Bible. Genesis iden-

tifies the child as Isaac, Abraham's second son, father of the Jews. The Koran insists that it was Ishmael, his first-born son, the father of the Arabs.

Muslims and Jews both share the same heroes...Joseph, Moses, Aaron, David, Solomon. They may have more in common than any other two peoples on earth. They should commune in peace and in support of each other's lifestyles and interests.

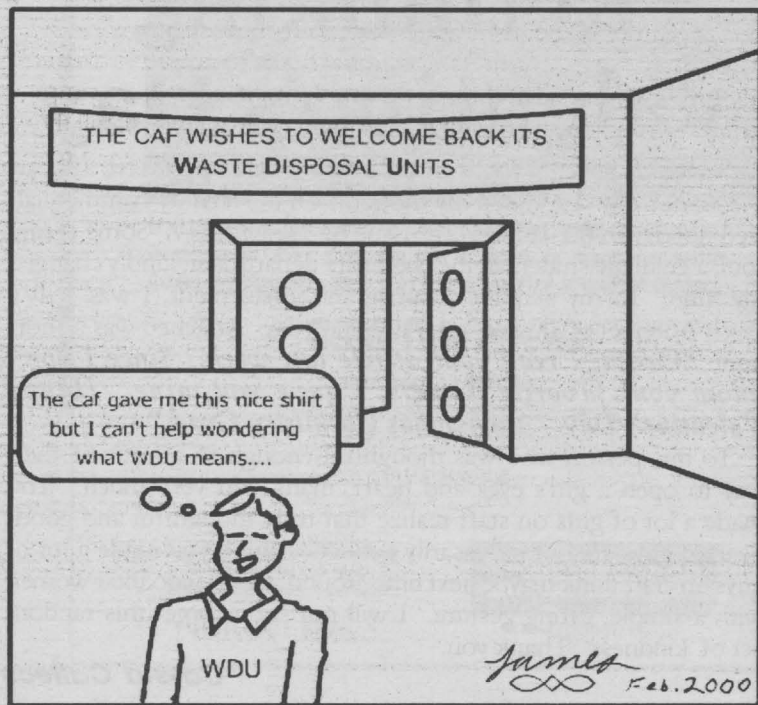
Religious scholars will debate who's-who forever. But regardless of one's religious beliefs, the only thing that could keep brothers permanently alienated is politics. To the best of man's knowledge, and undisputed by either the Arabs or the Jews, is that in the written history of their ori-

gins, in both the Bible and the Koran, both are the children of Abraham. Whether Arab or Jew, they come from one, or the other, of old Abe's sons...and that makes them brothers.

Although many scholastic organizations interest themselves in politics, Mines is an intellectual institution, often better suited for logical and engineering methods of creativity and expression. But at the same time, our graduates will be global, affecting the world in which they walk. Take with you this thought- think of the force that will be when these brothers once again unite.

Life is too short and too precious to spend hating one another.

Faisal G. Hashem



Computer Ethics - Jailed for Engineering

Special police forces raided the home of 16-year old Norwegian Jon Lech Johansen, confiscated his computers and cellular phone, and questioned him for seven hours before releasing him. He and his father are now charged with crimes that could result in them spending two years in prison. Was Jon distributing drugs? Laundering money? Selling nuclear secrets to China? No. Jon was programming.

Of course, the issue is not that simple. Johansen was part of a group of programming enthusiasts who were attempting to develop a DVD-playing program for the free operating system, Linux. He and millions of other programmers in their spare time develop the software that has built this operating system into the largest current competitor for Microsoft Windows.

This software is open-source, which means that the raw source code of each program is distributed freely so that others can assist in improving the program, or edit it for their own needs so long as they only distribute it in the same open-source fashion. Open-source software such as sendmail and apache form the backbones of much of the Internet.

However, DVD discs are encrypted by a system known as CSS, or Content Scramble System, so that any player needs a "key" in order to play the discs. Jon and his associates managed, through studying of DVD hardware and software, to crack the

encryption without paying fees to acquire a key, and it is for this that the Digital Video Disc Content Control Association (DVD CCA) ordered him arrested.

Also, suits have been filed against hundreds of individuals for hosting (or even linking to) the program written by Johansen and his associates, DeCSS. I'm not even going to address the issues of why a consortium of corporations can order the police around, nor whether American copyright law applies in Norway.

The Digital Millennium Copyright Act of 1998, while restrictive in other areas, specifically permits the technique employed by Johansen, called reverse-engineering, when it is used for interoperability. Johansen's efforts to piece together DeCSS, and his right to publish his results, are backed by law and Constitution.

However, in various press releases as well as their legal campaign, the DVD CCA asserts that the cracking of this code is for the purpose of illegally copying DVD discs, and thus is unlawful according to the DMCA. There are many holes in this argument.

The most prominent is that copying of DVD's is possible without even decrypting the CSS. CSS does not need to be decoded unless the movie, written as ones and zeros on the disc, is to be watched; the ones and zeros themselves are not encrypted, and thus can be copied

bit-by-bit. Imagine a DVD as a note, written in secret code on a piece of paper. To read it, you need to have a 'decoder ring', which tells you that Y means A, etc. But to copy it, you only need a Xerox machine, which doesn't need to know what the note says, only what it looks like. Johansen and his associates are essentially being harassed and arrested for making their own decoder ring, rather than buying one; this has nothing to do with whether the coded note can be copied. DVD stampers, the equivalent of this Xerox machine, are commercially available. So if DVD's are so easy to copy, even without cracking any codes, why aren't DVD-R's of movies popping up around campus?

Because blank DVD discs cost more than DVD movies. So even if I did crack a code to copy a DVD, it would be cheaper for me to just buy the original.

Unless the DVD CCA can prove that DeCSS serves no other purpose than to facilitate piracy, then their argument contains another flaw: the idea (also presented in lawsuits against Napster) that software that aids in copyright infringement should be illegal, even if it also serves another purpose. But I can copy copyrighted data onto other people's computers illegally using only the commands inherent in Microsoft Windows; so by the DVD CCA's reasoning, Microsoft Windows should be illegal. As should any other op-

erating system, or any computer for that matter. This reasoning goes directly against the famous Betamax decision of 1984, stating that as long as a device serves one non-infringing purpose, it cannot be made illegal for serving any copyright-infringing purpose.

DeCSS does have one non-infringing purpose: to allow people to watch DVD movies without having to buy a player or install Windows on their computer. So, if the DVD CCA's reasoning is false, if the purpose of DeCSS is not to promote DVD piracy, why do they continue their prosecution? Either they don't know that DeCSS is not necessary for copying of DVD's (which would be a profound act of ignorance on their part), or they have another motive they'd like to keep quiet — some other purpose that the CSS encryption fulfills.

Jason Kroll of *Linux Journal* offers one explanation. The CSS code "would allow the industry to put regional codes into DVDs, preventing American DVDs from running in Europe (where movies come out several months later and at higher prices), or preventing Indian DVDs (which cost less since India has less money) from running in America." This technique, known as "price discrimination," is illegal according to US law and much international law as well. The code also gives complete control of the DVD player market to the DVD Copy Con-

trol Association by allowing it to control access to the decryption keys. Though their true motives remain a mystery, many have concluded that the DVD CCA wants to completely control the DVD hardware market, and will hire as many lawyers and lobbyists as it takes to extract unconstitutional legal firepower from the world's governments.

The Motion Picture Association of America, which backs the DVD CCA, consists of seven companies: Disney, Sony, MGM, Paramount, Fox, Universal Studios, and Warner Bros. Free speech advocates, human rights advocates and free software advocates around the world are calling for a boycott of these companies as well as the DVD format in general. It is a large sacrifice for movie fans, but it must be undertaken unless we want this case to set a precedent that would allow government-sanctioned information monopolies, making it illegal to, for example, analyze the composition of Pepsi in a chemistry lab to find out how much caffeine it has or open up the hood of your car to see what's making that noise.

Further information about the DeCSS code, legal news, and information regarding protests against the MPAA and DVD CCA, can be found at <http://opendvd.org>, <http://www.2600.com>, and <http://slashdot.org>.

Jon Riegel

Revolution, Backyard and the Americas

The cold war was a period of suffering and misfortune for many; yet, it was a time where many of the imperialist nations and organizations tried to apply their power onto others. Such is the case of the United States and, to a lesser extent, the United Nations. The cold war in Central America was probably where it had the greatest impact on the people's lives and ideologies.

Numerous events occurred in Cuba, Honduras, El Salvador, Guatemala and Nicaragua; events that took the lives of hundreds of thousands. Why did this occur, we ask?

Simple: they, the people looking for freedom, wanted a change; this change was manifested into a revolutionary context. So what? What is the United States so afraid of?

It could be said, and of course, this is just my opinion, and based on my own research, that the United States could be held responsible for the assassination of half of the individuals that died during the cold war in Central America alone. Let me cite some of the atrocities the

United States performed during these years in the form of a little history.

First, we have what the US call its own "backyard". Some people in this country think Latin America and the Caribbean is the US's backyard and they started using the term during the late 1950's when the Cuban revolution took place.

One of the biggest and most successful communist revolutions ever, I think, it was a revolution under the ideas and command of Comandante Fidel Castro with the help of other great men like Comandante "Che" Guevara. They wanted a change for Cuba and they found it. They revolted and kicked out of power former "president" Fulgencio Batista, which was another Pinochet of course, just that the media didn't talk about it and he wasn't as bad. The Bolivian army, supported by CIA murdered Che.

The CIA, sponsored by the US, is responsible for killing many innocent lives.

The United States was taking all this actions because all they cared about during that time was

just about their selfish race against the Soviet Union; well, if we think about it, wasn't the core of the Cold War just that? A little earlier in the 50's, Jacobo Arbenz was the president in Guatemala. He wasn't communist himself but his close relations were. Although this government didn't have any diplomatic relations with Russia, the US felt a threat and sent a CIA operation arming the peasants from the countryside to overthrow the government. End result: Arbenz was thrown into exile. Another goal reached by the US?

Maybe. In Chile the story was a little different. Salvador Allende was the president. He was an avid socialist. He wanted a social revolution and found it. Not the best government, but guess what- the US was right there where it doesn't belong using the CIA to arm General Augusto Pinochet — that's what it doesn't want you to know right now and that's the answer to why Pinochet is still in England and will never pay for what he did. Pinochet promoted a military coup backed by the CIA, as I said. They bombed the presidential

palace killing Allende in June 1973. He died defending the Constitution, as he wanted to.

In Nicaragua Somoza was the president during the 70's. The Sandinistas, a group of revolutionaries inspired by the ideas of a rebel named Sandino, who was anti-US, came into power in 1979 with the help of Cuba. Education and health were readily available. Other communist countries like Vietnam, Russia and China helped them by equipping them with military aid.

In El Salvador, during the early 1980's, US president Jimmy Carter was funding an army that tortured, raped and killed many innocent people, yet, the US didn't take any responsibility about these actions and just ignored it in some way. In 1983 the United States invaded Granada. Same year they invade Managua in Nicaragua. In 1990, the US backed up Violeta Chamorro's presidential campaign so she could defeat the Sandinista party in Nicaragua. She was successful.

What it all boils down to, is to see how an imperialist nation would do anything there is to do

to anyone who poses a threat to their interests. It is not about a race, and imperialist organizations such as the US, NATO and the UN see it as such. If you look for winners and losers, all are losers. Some to a greater degree than others, obviously, but the main thing is that all these people found a way of revelation and were in harmony with themselves, and that's all it matters.

You could find the tone of this article somewhat full of rage but again, the evidence backs me up. All these revolutionaries, humble military people, simple peasants, vulgar civilians; all they wanted was more freedom relative to what they were living before their actions took place. You have to live the situation and imagine been driven to the border where there is no other choice to make, no other route to take, but the radical change of social revolution. Even though some of them died, they did it proudly and the way they wanted. Like Che once put it, "Hasta la victoria siempre, o hasta la muerte".

Carlos Zerpa

CSM Track Update

Judy Toel

On Saturday, Feb. 19th, the CSM track and field teams traveled to Air Force Academy and University of Wyoming to compete in the Air Force Open and the Robert Shine Invitational.

The men had a very strong showing at Air Force, breaking two school records and recording personal bests for the season.

The men's 4x400 relay team (Swanson, Lengerich, Beideman, Johnston) finished with a time of 3:18.30, breaking the CSM school record and a qualifying them for NCAA II Championships being held in Boston, MA.

Dayven Johnston broke his own school record in the 400 meter dash finishing in 48.41 seconds, which reassured his own trip to nationals. Ben Lengerich finished strong in the 800 meter run, recording a season best time of 1:56.73.

In Wyoming, the Orediggers also performed well. On the men's side, Geoff Streit, Sean Moran, James Kennedy, and Kevin Donohoe cleaned up in the men's 3000 meter run. They came in 1,2,3,4 respectively with a winning time of 9:28.09.

In the 800 meter run, Eummon Gardner finished sec-

ond with Brandon Desh right behind him in third place. They both recorded season bests at 1:59.97 and 2:00.92 respectively.

Paul Fisher came in sixth place with a time of 2:03.54. John Kelly earned fourth place in the 55 meter hurdles with a time of 8.22 seconds. In jumping events, Jesus Salazar recorded a season best in the long jump, jumping over 22 feet.

Tyson Parrot also finished in the top four leaping 6'4". On the women's side, Michelle Roberts beat her nearest competitor by 30 seconds in the mile run, earning first place with a time of 5:52.50.

Meg Schissler and Leslie McCandless finished first and second in the 3000 meter run with times of 11:35.63 and 12:27.92.

Other place winners included Charity Garrison, who received fourth place in both the 55 and the 200 meter dashes, Judy Toel finished fifth in the high jump, and Tiffany Mensing finished 9th in the 55 meter hurdles.

The next meet for the CSM track team is Conference Championships this weekend, February 25/26, at Kearney, Nebraska. Good Luck Orediggers!

Three Orediggers named to All-Tournament at UNC

Marle Bollinger

David Naibauer, Galin Nelson and Terry Packer were named to the all-tournament team following their 3-1 performance at Northern Colorado's Ditch Digger Classic in Greeley this past weekend. Naibauer came in and earned two saves for his team. Nelson (2-0) pitched his way to a win over the host team while allowing only

nine hits in the game. And Packer batted an average of .455 for the weekend. All were stellar performances.

Mines opened the tournament by defeating Midland College 8-5. Chris Wright earned the win moving his record to a perfect 2-0. Later that afternoon, the Diggers beat Doane College 13-8 with Chris Michna getting the

win. On Sunday, Mines outscored UNC 6-3 with Nelson at the helm. In the championship game, the Orediggers faced UNC again, but lost 6-1.

Next up for Mines are two double-headers against Lubbock Christian on February 26th and the 27th. The next games at the Digger Dome are on March 4th and 5th vs. Doane College.

Mines Basketball at Super Hoops Regional Tournament

Two 3-on-3 basketball teams from the Colorado School of Mines will be competing in the efollet.com Super Hoops Regional Tournament on February 26, 2000.

The event will take place at the University of Northern Colorado, and up to 40 other colleges will be represented.

In the men's division, the school will be represented by "The Niners" featuring Craig Softley, Pat Svaboda, Ryan Smelker, and Dan Djierksen.

"Halee's Comet," featuring Halee Sommerville, Judy Toel, Joanna Szynackiez and Rene Tschannen will compete in the women's division.

An estimated 150,000 students will be competing for a chance to advance to one of 16 efollet.com Super Hoops Regional Tournaments in March and April.

Each player will also compete in The Saturn Shootout for additional prizes, including a brand new Saturn.

Swimming Championships

Jeff Duggan

The men's and women's swimming & diving teams competed at the Pacific Collegiate Swimming Conference Championships on Feb. 9th-12th in Long Beach, California. The men placed eighth out of 14 teams and the women finished 12th out of 17 squads.

The men were led by Brooks Masterson who qualified for the NCAA II Swimming Nationals in the 500 freestyle and the 200 butterfly. A freshman who competed at Greeley Central H.S., Masterson swam a 4:34.25 in the 500 freestyle (seventh place) and a 1:53.64 in the 200 butterfly (fourth place) at the PCSC Championships. Both times were new school records and qualified him for the NCAA II National Swimming Championships (March 8th-11th in Buffalo, NY).

Masterson also set new school records in the 200 free-style (1:42.43, 0.24 seconds off the national qualifying time) and the 100 freestyle (46.79) at the PCSC Championships.

In addition to the 500 free and the 200 fly, Masterson will compete in the 200 freestyle and 1,650 freestyle at Nationals, events that he qualified for earlier this season. In 1999-2000, Masterson has set seven new individual school records and has been a member of two record-breaking relay teams.

Junior Holly Daugherty established four new school record times, including 2:12.30 in the 200 IM, 4:42.56 in the 400 IM, 1:58.57 in the 200 free and 54.44 in the 100 free. Freshman Chris Arneson also set a new team record, posting a time of 2:12.85 in the 200 backstroke.

Other CSM records that were broken at the PCSC Championships: Ben Lichtwardt, 1:57.56, 200 IM; women's 400 free relay team, 3:43.37; women's 400 medley relay team, 4:08.75; women's 800 free relay team, 8:12.19; men's 800 free relay team, 7:01.60; men's 400 free relay team, 3:11.15 and the women's 200 medley relay team, 1:54.78.

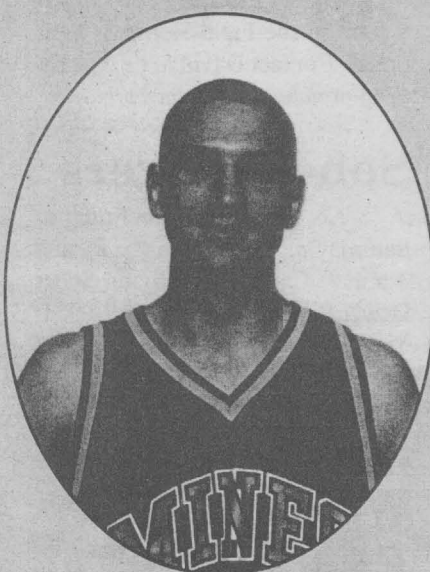
Outdoor Recreational Center Event Schedule

DATE	DEADLINE	COST	NOTES
March 1st	none	\$5/\$10	in the ORC from 6-7pm
March 3rd	none	FREE	Student Center ballrooms
March 4th	February 24th	\$15/\$20	Mount Bierstadt
March 4th	February 24th	\$38	Berthoud Pass-includes lift ticket
March 4th	February 24th	\$65	plastic boots/crampons required
March 5th	February 24th	\$65	Intro. to Snow pre-req.
March 8th	none	\$5/\$10	6-7pm in the ORC
March 11th	March 1st	\$10	Keystone
March 9 & 10	February 29th	\$10	pre-req. for Spring Break trip
March 13th-17th	February 29th	\$35/\$40	Lost Creek Wilderness
March 20th	March 15th	\$10/\$15	Forgotten Valley and Golden Gate Canyon
March 22nd	none	\$5/\$10	6-7pm in the ORC
March 25th	March 15th	\$10	Keystone/A-Basin

Oredigger of the Week

Ben Esplin

Men's Basketball, #52
Forward
6'6", 210 lbs, Junior
Vacaville, CA
Vacaville H.S.
Irvine Valley Junior
College



This past weekend, Orediggers basketball improved to 12-12 overall and 8-9 in the RMAC with an 84-77 upset win over

Chadron State on Friday and a 75-56 blowout of Regis on Saturday.

The wins kept CSM in the hunt for a spot in the 2000 RMAC Men's Basketball Tournament.

In the two home games, Esplin scored 49 points (25 and 24, respectively, against Chadron and Regis), grabbed 14 rebounds, handed out four assists, grabbed two steals and swatted two shots.

Oredigger Basketball Wins Three of Four

Greg Bollinger

The Lady Orediggers split their games over the weekend while the men's basketball team won both of theirs.

The men were led in both games by Ben Esplin who scored a total of 49 points on the weekend. Esplin help the Orediggers improve to a 12-12 record on the year with the two wins.

Esplin scored the game high 25 points while Kez Kennedy and Dave Estabrook added their own two bits. Kennedy had 21 points and Estabrook had 17 points. Mines went on to win the game with a final score of 84-77.

In the second game Esplin

also had the game's high with 24 points. Sam Handsborough and Joe Zufall also added double digit points.

Handsborough added 16 points while Zufall had 13 points. The men went on to win this game 75-56.

The women split their games on the weekend. In the first game they were led by 6'5" Freshman Kim Good who ended the night with a triple double.

Good ended up with 12 points, 16 rebounds and 11 blocks. Good also set a new school record on the night. With her eleven blocks she shattered the old record of seven.

Amy Bollinger and Marissa Eichhorn also added double digits. Bollinger had 16 points and Eichhorn had 14.

In this game the ladies went on to beat Chadron State by a score of 66-54.

In the second game the Orediggers were led by Kristin Dillard who had 11 rebounds and 17 points.

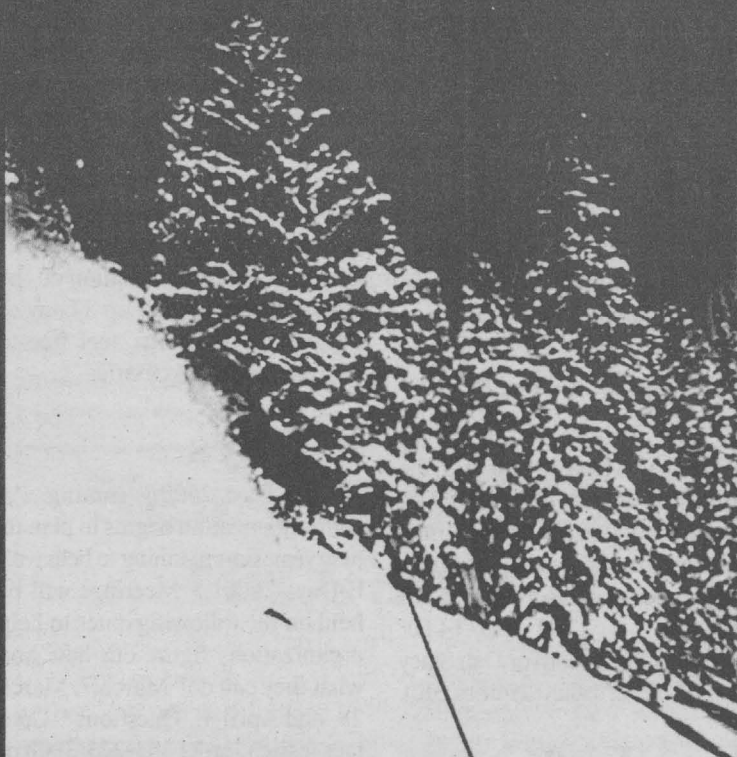
Amy Bollinger also added 13 points. They went on to lose a heart breaker by a score of 53-52.

Both the men and the women have a chance to get into the play-offs so wish them good luck on their last two games of the season.



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Rookie Goalie Introduced to Lacrosse

Sean Donlin

When the Colorado School of Mines lacrosse team took the field for the first time this season, something just didn't seem right.

One of its starting players had never seen a lacrosse game before in his life, let alone play in one!

On Saturday, Feb. 12, freshman Chad Ones nervously walked onto the field for the first time and stood in front of the net to play one of the most demanding and grueling positions in the game of lacrosse: goalie.

Ones, a former high school soccer goalie from Canon City,

Colo., was asked by the Mines lacrosse team to play after a recent and sudden vacancy at the goalie position.

Ones had only picked up a lacrosse goalie stick the Monday before the Saturday game and had three short practices to learn the position.

For its first scrimmage of the season, the Mines lacrosse team faced the University of Colorado lacrosse team, which is ranked ninth in the nation. The Mines lacrosse team had its hands full, not to mention Ones who would be going against some of the best lacrosse players in Colorado.

When the game started, both teams looked ready and determined to play. The Mines lacrosse team scored the first goal of the game and held a short-lived lead over CU.

Minutes later, the imminent happened, and CU scored. Ones had just given up his first goal in his lacrosse goalie career!

The Mines lacrosse team battled back and forth with CU, with Ones holding strong at goal. Save after save, Ones was looking like a seasoned veteran in the net.

CU had no idea that the goalie they were facing was new to the game.

"Ones' performance out on the field was amazing. For the limited amount of practice he handled himself very well. It was evident that he has some natural talent at this position. He still has a lot to learn, but with a little more work and practice he could easily become one of the top goalies in our league," stated head coach David Bonfoey.

When the final whistle blew, Mines had lost the scrimmage 19-5. CU had been too much for the Mines lacrosse team on Saturday.

When Ones walked off the field, he was greeted with cheers and applause from the team for

the determination and courage he showed on the field.

"Our defense was not playing up to its potential for this game and our offense could never get it going. We showed periods of great lacrosse play, but could not keep it up for any extended amount of time. Most of the goals scored were no fault of Ones, but rather of the entire team," stated Bonfoey.

The Mines lacrosse team will be back in action March 4 at 1p.m. when they battle the University of Utah on the IM field.

Ones will be back in net for Mines as he tries to add to his sensational rookie season!

Miner Notes

ANTS!

Do you want a voice? ANTS, Association of Non-Traditional Students invites you to join our organization. Join us for our first party, the "Resurrection Pizza Party," on Tuesday, Feb. 29 from 12-1 p.m. in Berthoud Hall room 206. For more information, please contact sziegler4@earthlink.net, jquam@mines.edu, or csimmons@mines.edu (faculty advisor). Look forward to seeing you there!

APO

APO meets in Meyer Hall 357 on Wednesday at 7 p.m. For more information, contact Ian Nickerson at inickers@mines.edu.

Bridge Club

The bridge club meets THURSDAYS from 6-11 p.m. in the Coolbaugh atrium. Feel free to come for any portion of this time. Beginners are welcome. If you have any questions, please contact Jeff Brown (303-279-1410, jsbrown0@mines.edu) or Dan Stacy (720-371-1292, dstacy@mines.edu).

Board of Publications

If you have complaints regarding any of the three student publications at the Colorado School of Mines, please feel free to contact a member of the board of publications. You can email the chair at clanders@mines.edu or the ASCSM representative at wtrainor@mines.edu or call (303) 273-3784 and leave a message for Whitney Trainor.

Campus Crusade for Christ

All are welcome to join us, for our weekly 737 meeting. It is a place to hang out with friends and talk about life. Meetings held every Thursday at 7:07 p.m. and is located at First Baptist Church of Golden on the corner of 19th and Washington. Afterwards, we will be going to the Golden Grind for food and fellowship.

Catholic Newman Group

Anyone is welcome! A discussion group for contemporary issues. Every Tuesday night at 8:30 p.m.; 2nd floor of the Green Center in the Ted Adams Room. Please contact Matt at 303-271-0654 or mlengeri@mines.edu for more information.

Circle K

Come find out about the world's largest student run service organization. Meetings are held Tuesdays, 6 p.m. at the Student Center in room 236. For more information contact clapok@mines.edu.

CSM Concert Choir

The CSM Choir is open to everyone!! Come sing jazz, classical, and contemporary pieces with us every Thursday from 4-6 p.m. in CO 209. Questions? Call Matt at 303-271-0654 or email mlengeri@mines.edu.

Diversity

The CSM diversity steering committee is looking for student, faculty and staff nominations. This committee reports to the President and the Board of Trustees through the Vice President for Academic Affairs. For more information on the committee or to pick up a copy of the nomination form, feel free to contact Student Activities.

E-Days

E-Days 2000 is coming. As your organization begins to plan its new year, start planning to help with E-Days 2000!!! Meetings will be held on the following dates to help organizations figure out how and what they can do! March 7, March 28, and April 4. Questions? Contact Jessica Jordet 303-273-3908 or jjordet@mines.edu

Earthworks

Meetings are held every Wednesday at noon in Alderson Hall 362. All are welcome! Come help us with plans for a campus Earth Day celebration.

FCA

The Fellowship of Christian Athletes meets Wednesdays at 7:30 p.m. in the Projection Room on the second floor of Volk Gymnasium. All are welcome: Christians, athletes, both or neither. For more information email fbuckner@mines.edu.

FCC

Fellowship of Christian Cowboys (and girls), the 1996-97 New Club of the Year, meets weekly on Thursday at 6 p.m. For information, email derjacks@mines.edu or visit http://www.mines.edu/Stu_life/organ/fcc.

GLBE/Sigma Lambda

We've changed our name! Sigma Lambda (formerly Gay, Lesbian, Bisexual Engineers) meetings held twice monthly with social events throughout the month. For more information contact glbe@mines.edu or visit our website at www.mines.edu/Stu_life/organ/glbe

Graduation

March 30 & 31, each day from 10:30 a.m.-2:30 p.m. Graduation Salute, Student Center Ballrooms A & B. April 26, 4 p.m. graduation practice, Bunker Auditorium. April 28, check out forms due to the Dean of Students Office. May 4, 6 p.m. Se-

nior Banquet in Friedhoff Hall. May 5, 9 a.m. graduation, Kafadar Commons.

Innertube Waterpolo

Innertube waterpolo is a fun way to get in the pool without worrying about having to swim. The intermural innertube waterpolo game will be March 2nd. Sign up in the IM Office. There are cool prizes and spaces are going fast. Teams must have a minimum of 5 people.

Karate Club

CSM Karate Club has a new schedule! Monday and Wednesday from 6:30-8 p.m. in the Student Center Ballrooms. Karate is a tremendous way to stay in great physical shape, tune mental concentration skills and gain confidence about personal security. Spectators and new students are welcome anytime. For more information call Amir at 303-216-2183 or email achaghaj@mines.edu.

Kayak Club

Kayak Club holds pool sessions every Monday from 7:30-9:30 p.m. Everyone is welcome from beginners to advanced. Contact Jason at (303) 273-0507 or email jlegore@mines.edu.

Kendo Club

The CSM Kendo Club will meet Wednesday evenings, 7-9 p.m., in the Student Center ballrooms. Kendo is the ancient art of Japanese fencing that evolved from the life and practice of the Samurai warrior. New students and spectators are welcome anytime. For more information call Sensei King at 303-795-9040 or email fourrex@aol.com.

LDSSA

All students are invited to enjoy a guest speaker and lunch for \$1 at the Latter Day Saint Student Association's Friday Forum. Every Friday at noon at 1212 Arapahoe Street. Email meallen or grussell for more information.

Outdoor Recreation Center

There is still space available for the **Avalanche Awareness** course to be held on Friday evening, Feb. 25th and Saturday, Feb. 26th. Cost is \$35 for students, \$45 for non-students. Call the ORC at 303.278.6202 for more information.

Rugby

"GIVE BLOOD - PLAY RUGBY." No experience required - will train. Violent temperament and aggressive nature a plus. If you are interested in joining a winning team and meeting all kinds of crazy-ass people, e-mail tfoutz@mines.edu or call TY at 303-205-1155.

SCA

Fighter Practice: Tuesdays 7-9 p.m. in the Field House. Questions? Contact David at (303) 215-6243 or dclement@mines.edu.

Sober Drivers

Need a ride home on Friday or Saturday night between 9 p.m. and 3 a.m.? Call Kappa Sigma Sober Driver Program at (303) 279-9951. You must be within 15 minutes of campus.

Society of Women Engineers

The next SWE meeting is on Wednesday at noon in Coolbaugh 209. For more info, email aama@mines.edu

Technology Fee

The technology fee Request for Proposals (RFP) has been posted to the tech. fee web page at www.mines.edu/Academic/computer/techfee This is the schedule for the Fall 2000 proposal process: March 10, Green Center 237 - Question & Answer Session. March 29, Proposal Deadline 5:00. April 13, Proposal review meeting. If you have additional questions, please contact Derek Wilson (dwilson) in the Computing Center.

Ultimate Frisbee Organization

Practices on Kafadar Commons every Tuesday and Wednesday at 4-5:30 p.m. All are welcome to come practice with us for competitive play against other schools. Also, official UFO CSM frisbees are available for \$8. For more information contact Steve at (303) 271-9972 or sgrigel@mines.edu.

Waterpolo

If you don't need water wings to stay afloat in the pool, come join us for practice on Tuesdays and Thursdays from 7:45 to 9:45 p.m. and Saturdays from 4 to 6 p.m. Waterpolo is great exercise and swim suit season is right around the corner- what better way to get ready for Spring Break? And guys, where else will you be able to see women in bathing suits in February in Colorado? See you at Volks Gymnasium.

Women's Ultimate Frisbee Team

Want to have fun, make friends, and get in shape? Come be a part of Mines' first ever Women's Ultimate Frisbee Team. No experience is required. Practice is on Kafadar Commons from 4-6 p.m. Fridays and 2-5:30 p.m. Sundays. For more information call Julie West at 303-278-7431.

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For Sale. Specialized mtn bike \$125, Epson inkjet printer \$50, dinette table w/ 4 chairs \$50, Pioneer laser disk player \$25, CD rack \$5, 303-384-3995

House for Rent. Rooms Available with Common area: Upper Level: 1 Bedroom, \$400.00 per month, 25% of utilities. Lower Level: 2 Bedroom with office space, separate entrance, 25% of utilities, \$350 per month per bedroom, 2 blocks from CSM campus. Off street parking or garage. Huge yard with storage area. CSM STUDENTS ONLY. For more information please call CSM Foundation (303-273-3137).

Roommate Wanted. Older home in downtown Golden. No smokers or drinkers. Big fenced yard and satellite dish. \$500 includes utilities. Call 303-279-0888 and leave message.

Help Wanted. Mother's helper wanted. Very flexible part time. \$7.00/hr and must drive. Very close to campus. Call Anne at 303 278-1639, or cell 303 517-6726.

Help Wanted. Attention summer school students, the Minority Engineering Program is hiring for their summer pre-collegiate programs. We need an academic coordinator, student teachers, resident assistants and tutors/homework graders for the SUMMET (July 5- July 30) and PREP-SUMMET (June 10-July 1) programs. Detailed job descriptions are available at the MEP house at 1616 Maple Street. Applicants must return a transcript, resume and applications by March 6.

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